

Tylopur Xtend Nutra

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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Version: 2.0

SDS No: 10896-0412



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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Substance
Substance name : Tylopur Xtend Nutra
Product code : Nutraceutical_SR
Other means of identification : E 464

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Binding agent
Food & dietary supplement
Sustained release

1.2.2. Uses advised against

Restrictions on use : There is no information available on applications that are not advised

1.3. Details of the supplier of the safety data sheet

Manufacturer

SE Tylose GmbH & Co. KG

Kasteler Straße 45

65203 Wiesbaden

Germany

T + 49 611 962 6309

product.safety@setylose.com - www.setylose.com

E-mail address of competent person responsible for the SDS: sds@gbk-ingelheim.de

Informing department

Customer Service / Sales

T +49 611 962 6442

contact@setylose.com

1.4. Emergency telephone number

Emergency number : +49 (0) 6312 / 84463 (GBK GmbH)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

No labelling obligation according to Regulation (EC) No. 1272/2008. No labelling obligation according to Regulation (EC) No. 1169/2011.

No labelling applicable

2.3. Other hazards

Other hazards not contributing to the classification : Dust may form explosive mixture in air. Handle in accordance with good industrial hygiene and safety practice.

SECTION 3: Composition/information on ingredients

3.1. Substances

Comments : A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006.

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Name : Tylopur Xtend Nutra

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-----------------------------------------|--------------------|--------|-----------------------------------------------------------------|
| Cellulose, 2-hydroxypropyl methyl ether | CAS-No.: 9004-65-3 | > 93,5 | Not classified |

Comments : When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a doctor.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse immediately with plenty of water, also under the eyelids. Consult an ophthalmologist if irritation persists.
First-aid measures after ingestion : Rinse mouth. If symptoms persist, call a physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact : May cause sensitisation of susceptible persons by skin contact.
Symptoms/effects after eye contact : May cause eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Sand. Alcohol resistant foam. Chemical powder. Carbon dioxide. Water spray.
Unsuitable extinguishing media : No data available.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO₂).

5.3. Advice for firefighters

Protection during firefighting : Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid dust formation. Do not breathe dust. Forms slippery surfaces with water.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Wear recommended personal protective equipment.

6.2. Environmental precautions

Large amounts of the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Shovel or sweep up and put in a closed container for disposal. Avoid dust formation.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

Refer to protective measures listed in sections 7 and 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid dust formation. Dust may form explosive mixture in air. Keep away from sources of ignition - No smoking.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Material is hygroscopic. Protect from atmospheric moisture and water.
Information on mixed storage : No special storage requirements.

7.3. Specific end use(s)

See Section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

Additional information : Obey TLV for common dust, if applicable

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Avoid dust formation.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Not required for normal conditions of use

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

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Hand protection:

Not required for normal conditions of use. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

| Respiratory protection | | | |
|---------------------------------|-------------|---------------------|----------|
| Device | Filter type | Condition | Standard |
| Breathing apparatus with filter | Type P1 | Short term exposure | |

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke when using this product. Wash hands immediately after handling the product. Do not breathe dust.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-------------------------------------------------|---------------------------------------------------------------------|
| Physical state | : Solid |
| Colour | : whitish. |
| Appearance | : Powder. |
| Odour | : odourless. |
| Odour threshold | : Not available |
| Melting point | : Not specifically applicable |
| Freezing point | : Not specifically applicable |
| Boiling point | : Not specifically applicable |
| Flammability | : Not available |
| Explosive properties | : Product is not explosive. Dust may form explosive mixture in air. |
| Explosive limits | : Not applicable |
| Lower explosive limit (LEL) | : 30 – 80 g/m ³ |
| Upper explosive limit (UEL) | : Not applicable |
| Flash point | : Not specifically applicable |
| Auto-ignition temperature | : 170 °C |
| Decomposition temperature | : Not available |
| pH | : 5 – 8 (20 g/l) |
| pH solution | : Not available |
| Viscosity, kinematic | : Not specifically applicable |
| Viscosity, dynamic | : Not specifically applicable |
| Solubility | : Water: > 10 g/l (20°C) |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not specifically applicable |
| Vapour pressure at 50 °C | : Not available |
| Density | : 1.1 – 1.5 g/cm ³ 20 °C |
| Relative density | : Not specifically applicable |
| Relative vapour density at 20 °C | : Not specifically applicable |
| Particle size | : Not available |
| Particle size distribution | : Not available |
| Particle shape | : Not available |
| Particle aspect ratio | : Not available |
| Particle aggregation state | : Not available |
| Particle agglomeration state | : Not available |
| Particle specific surface area | : Not available |

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Particle dustiness : Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

Minimum ignition energy : > 10 mJ
Relative evaporation rate (butylacetate=1) : Not specifically applicable
Bulk density : 200 – 600 g/l
Combustion class : 5
pmax : 6-10 bar
Dust explosion category : ST1
KSt : < 200 bar*m/s
Ignition temperature : 360 - 400 °C
MIT (Minimum Ignition Temperature) - Dust cloud : 360 - 400 °C
MIT (Minimum Ignition Temperature) - Layer : > 400 °C

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

No decomposition if stored normally.

10.5. Incompatible materials

Strong oxidizing agent.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| Tylopur Xtend Nutra | |
|-----------------------------------|---------------------------------------------------------------|
| LD50 oral rat | > 4000 mg/kg (OECD 425 method) (pure substance / body weight) |
| Skin corrosion/irritation | : Not classified pH: 5 – 8 (20 g/l) |
| Serious eye damage/irritation | : Not classified pH: 5 – 8 (20 g/l) |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |

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STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Other information : When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

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| | |
|------------------------------------|-------------------------------|
| LC50 fish 1 | > 1000 mg/l (OECD 203 method) |
| EC50 - Other aquatic organisms [1] | > 1000 mg/l (OECD 209 method) |

12.2. Persistence and degradability

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| | |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Persistence and degradability | Product is biodegradable. Does not affect the functioning of waste-water treatment plants. In case of loss of large quantities, advice local authorities. |
| Chemical oxygen demand (COD) | < 1500 mg/g |

12.3. Bioaccumulative potential

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| | |
|---------------------------|---------------------------------|
| Bioaccumulative potential | Not potentially bioaccumulable. |
|---------------------------|---------------------------------|

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : Do not release undiluted or in higher quantities into the groundwater, sewerage or waters

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

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European List of Waste (LoW) code

: 16 03 06 - organic wastes other than those mentioned in 16 03 05

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|-----------------------------------------|----------------|----------------|----------------|----------------|
| 14.1. UN number or ID number | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.2. UN proper shipping name | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Tylopur Xtend Nutra is not on the REACH Candidate List

Tylopur Xtend Nutra is not on the REACH Annex XIV List

Tylopur Xtend Nutra is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Tylopur Xtend Nutra is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

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Other information, restriction and prohibition regulations : Is subject to Regulation (EC) No 1333/2008. Complies to Regulation (EC) No 231/2012.

15.1.2. National regulations

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the Canadian DSL (Domestic Substances List)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)- Directive 79/831/EEC, sixth Amendment of Directive 67/548/EEC (dangerous substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

| | |
|--------------|-----------------------------------------------------------------------------------------------------|
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| DOT | Department of Transport |
| TDG | Transportation of Dangerous Goods |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| GHS | Globally Harmonized System of Classification, Labelling and Packaging of Chemicals |
| IARC | International Agency for Research on Cancer |
| vPvB | Very Persistent and Very Bioaccumulative |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| CAS | CAS (Chemical Abstracts Service) number |
| IBC-Code | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| ATE | Acute Toxicity Estimate |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| BCF | Bioconcentration factor |
| MARPOL 73/78 | MARPOL 73/78: International Convention for the Prevention of Pollution From Ships |
| ADG | Transport of Australian Dangerous Goods |

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Other information

: Data of sections 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. The delivery specifications are contained in the corresponding product sheet. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.